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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/707,119	11/21/2003	Lawrence A. Clevenger	FIS920030219US1	1118
32074 75	590 03/08/2005		EXAMINER	
INTERNATIONAL BUSINESS MACHINES CORPORATION			HOANG, QUOC DINH	
DEPT. 18G BLDG. 300-482	2.		ART UNIT	PAPER NUMBER
2070 ROUTE 52 HOPEWELL JUNCTION, NY 12533		2818		
		DATE MAILED: 03/08/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

			471
	Application No.	Applicant(s)	
	10/707,119 CLEVENGER ET AL.		
Office Action Summary	Examiner	Art Unit	
	Quoc D. Hoang	2818	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the o	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply of the period for reply is specified above, the maximum statutory period we have reply within the set or extended period for reply will, by statute, any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tir within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely, the mailing date of this communication. (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 21 No	<u>ovember 2003</u> .	•	
2a) This action is FINAL . 2b) This	action is non-final.		
3) Since this application is in condition for alloward closed in accordance with the practice under E			
Disposition of Claims			
4) ⊠ Claim(s) <u>1-22</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) <u>1-22</u> are subject to restriction and/or expressions.	wn from consideration.		
Application Papers	· -	•	
9) The specification is objected to by the Examine	er.		
10) The drawing(s) filed on is/are: a) acc		Examiner.	
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	·		
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicat rity documents have been receiv u (PCT Rule 17.2(a)).	ion No ed in this National Stage	
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D	•	
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		Patent Application (PTO-152)	

DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 12-22, drawn to an integrated circuit, classified in class 257, subclass 758.

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- II. Claim 1-11, drawn to a process of making a layer of interconnect in an integrated circuit, classified in class 438, subclass 618.
- 2. The inventions are distinct, each from the other because of the following reasons: Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case unpatentability of Group I invention would not necessarily imply unpatentability of the process of the Group II invention, since the device of group I invention could be made by processes different from those of group II invention, for example, in claim 12, the hardmask could be formed by electroplating in stead of sputtering or CVD.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, the fields of search are not coextensive and separate examination would be required, restriction for examination purposes as indicated is proper.
- 4. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Art Unit: 2818

5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) of one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of the inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(I).

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quoc Hoang whose telephone number is (571) 272-1780. The examiner can normally be reached on Monday-Friday from 8.00 AM to 5.00 PM.

If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571) 272-1787. The fax phone numbers of the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Quoc Hoang

Patent examiner/AU 2818

David Neims

Supervisory Patent Examiner Technology Center 2800